

VAKHTER, Kh.T. (Tartu, Taara Puiestee 11, no.3), Eesti NSV, [Estonian S.S.R.]

Tumor development induced by shale oils in connection with the action of drugs on the nervous system [with summary in English].
Vop.onk.3 no.2:204-207 '57. (MIRA 10:6)

1. Iz kafedry patologicheskoy anatomii (zav. - zasluž. deyat. nauki Estonskoy SSR prof. A.O.Val'des) i iz kafedry infektsionnykh bolezney i dermatologii (zav. prof. F.Ya.Lopp) meditsinskogo fakul'teta Tartuskogo gosudarstvennogo universiteta.

(NEOPLASMS, exper.

shale oil-induced, eff. of bromine, caffeine & procaine in mice & rabbits (Rus))

(PETROLEUM PRODUCTS, eff.

shale oil-induced tumors, eff. of bromine, caffeine & procaine in mice & rabbits (Rus))

(BROMINE, eff.

on shale-induced tumors in mice & rabbits (Rus))

(CAFFEINE, eff.

same)

(PROCAINE, eff.

same)

VAKHTER, Kh.T.

Influence of thermal injuries to tissue on the development of
tumors induced by shale oils. Vop. onk. 5 no.12:668-672 '59.

(MIRA 13:12)

(TUMORS) (BURNS AND SCALDS)
(PETROLEUM—PHYSIOLOGICAL EFFECT)

VAKHTER, Kh.T.

Application of negative aerq-ions in the treatment of eczema and
neurodermatitis. Vest. dermat. i ven. 34 no.7:27-30 '60.

(MIRA 13:12)

(AIR, IONIZED)

(ECZEMA)

(SKIN--DISEASES--PSYCHOSOMATIC ASPECTS)

VAKHTER, Kh. T., kand. med. nauk

Skin reactions to shale oils (Experimental study). Vest. dermat. i
ven. no.3:37-42 '62. (MIRA 15:6)

1. Iz kafedry dermatologii (zav. - dotsent L. P. Nurmand) meditsinskogo fakul'teta Tartuskogo gosudarstvennogo universiteta.

(OIL-SHALES--TOXICOLOGY) (SKIN)

VAKHTER, Kh.T., dotsent

Skin reactions to the products of thermal processing of shale.
Vest. dermat. i ven. 38 no.12:14-20 D '64. (MIRA 18:8)

1. Kafedra dermatologii (zav.- dotsent L.P. Nurmand) Tartuskogo
gosudarstvennogo universiteta; nauchnyy konsul'tant - chlen-
korrespondent AMN SSSR prof. P.V. Kozhevnikov.

VAKHTER, M.L.

VAKHTER, M.L., inzh.

Grinding thin sheets for subsequent bluing. Mashinostroitel' no.1:
7-8 Ja '58. (MIRA 11:1)

(Grinding and polishing)

PHASE I BOOK EXPLOITATION SOV/5460

Leningradskiy metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Nekotoryye voprosy tekhnologii proizvodstva turbin (Certain Problems in the Manufacture of Turbines) Moscow, Mashgiz, 1960. 398 p. (Series: Its: Trudy, vyp. 7) Errata slip inserted. 2,100 copies printed.

Sponsoring Agency: RSFSR. Sovet narodnogo khozyaystva Leningradskogo ekonomicheskogo administrativnogo rayona, Upravleniye tyazhelogo mashinostroyeniya, and Leningradskiy dvazhdy ordena Lenina metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Ed. (Title page): G. A. Drobilko; Editorial Board: Resp. Ed.: G. A. Drobilko, B. A. Glebov, A. M. Mayzel', and M. Kh. Mernik; Tech. Ed.: A. I. Kontorovich; Managing Ed. for Literature on Machine-Building Technology: Ye. P. Naumov, Engineer, Leningrad Department, Mashgiz.

PURPOSE: This collection of articles is intended for technical personnel in turbine plants, institutes, planning organizations, as well as for production innovators.

Card-1/12

Certain Problems (Cont.)

SOV/5460

57
COVERAGE: The experience of the LMZ (Leningradskiy metallicheskiy zavod - Leningrad Metalworking Plant) in the manufacture of modern large-capacity turbines is presented. Methods for the rationalization of basic manufacturing processes and for the mechanization and automation of manual operations are given. Descriptions of attachments and tools designed by LMZ for improving labor productivity and product quality are provided, and advanced inspection methods discussed. References accompany some articles. No personalities are mentioned. There are 26 references: 25 Soviet and 1 English.

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5

Certain Problems (Cont.)

SOV/5460

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Card 10/12		

S/123/61/000/015/016/032
A004/A101

AUTHORS: Shklovskiy, N. M., Vakhter, M. L.

TITLE: Processing wire from stainless and austenitic steels by knurling

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 15, 1961, 17, abstract
15B100 (V sb. "Nekotoryye vopr. tekhnol. proiz-va turbin". [Tr.
Leningr. metallich. z-da, no. 7]. Moscow - Leningrad, 1960, 125-128)

TEXT: The authors describe the technology and a special fixture introduced at the LMZ for the finish working of fastening wire 10.5 - 12 mm in diameter and 410 - 710 mm long, which is used in the blade assembly of steam and gas turbines. The fixture is 3-jaw steady. In each of the jaws, balls 10, 15, and 20 mm in diameter are placed. The difference in diameter ensures various contact areas, i.e. a gradual increase of plastic deformation which increases the finish of the surface being knurled. The fixture is mounted in the tool holder of a lathe. The authors describe the effect of the blank finish, ball feed magnitude, load magnitude on the balls and number of passes on the finish of the surface being knurled. They present the knurling conditions and the conditions of the preliminary

Card 1/2

Processing wire from stainless ...

S/123/61/000/015/016/032
A004/A101

processing of the rods which ensure a surface finish of fastened wire from 1X13 (1Kh13) and 34612 (EI612) steel equal to $\Delta 9$. There are 4 figures.

L. Bozin

[Abstracter's note: Complete translation]

✓

Card 2/2

22931

S/123/61/000/008/002/013

AOO4 /A104

1.5600

AUTHOR: Vakhter M.L.

TITLE: Expedient equipment to increase the life of milling heads

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 8, 1961, 62, abstract 8B471 (V sb. "Nkotoryye vopr. tekhnol. proiz-va turbin". [Tr. Lenin-gr. metallich. z-da, no. 7], Moscow-Leningrad, 1960, 343 - 346)

TEXT: The author describes the technology, suggested at the LMZ, of fabricating the bodies of assembled end mills 400, 600 and 800 in diameter, with 10, 15 and 16 blades tipped with the BK 8 (VK8) grade sintered carbide (for stainless steel and cast iron) or with the T5K10 and T15K6 grades (for carbon and alloyed steels). He also gives a description of a fixture for the separate grinding of the blades. This fixture permits to reduce the wobble of the blades in the assembled state to 0.05-0.1 mm, owing to which the milling cutter life increases 1.5-2 times under the same cutting conditions as before. There are 4 figures.

S. Avrutin

[Abstracter's note: Complete translation]

Card 1/1

89741

1.5100

2908

S/114/61/000/003/002/002
E194/E235

AUTHORS: Dolgov, V. A., Vakhter, M. L. and Tsvetkov, A. V.,
Engineers

TITLE: A Copying-Grinding Machine for Machining Turbine
Blades of Varying Profile

PERIODICAL: Energomashinostroyeniye, 1961, No. 3, pp. 32-34

TEXT: The most complicated operation in blade manufacture is grinding the blade profile. Until recently, at the Leningrad-skiy metallicheskiy zavod (Leningrad Metal Works) and other turbine manufacturers this operation has been carried out manually. The work is heavy and the metal is annealed locally because the pressure applied to the grinding wheel is uneven. In recent years many attempts have been made to mechanize the operation. After prolonged experimental and development work, the Leningrad Metal Works (LMZ) has developed two machines for grinding large turbine blades of variable profile. One of these machines was designed by the Leningrad Branch of VPTI (Designer M. A. Borukhzon) the other was developed at the LMZ; both give good and stable results. Deviations permitted from the theoretical profile do not exceed

Card 1/8

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S/114/61/000/003/002/002
E194/E235

X

A Copying-Grinding Machine for Machining Turbine Blades of Varying Profile

0.1-0.15 mm. The copying and grinding machine designed by the Leningrad branch of VPTI is based on mechanical copying of a model. The main feed of model and blank is provided through a special drive and distribution mechanism and the profiling feed is derived from the pressure of the model on a copying roller. The grinding is performed in transverse strokes and transition from one stroke to the next occurs on the overrun. Outline drawings of the machine are given in Fig. 1 and a detailed description of the mechanism is given. The copying roller 10 bears on the model 11 which operates on the grinding wheel 3 cutting the blank 2. The special drive 17 is provided for trimming the grinding wheel with an industrial diamond. The principles of operation are described. The method of grinding blades is illustrated in Fig. 2 the initial position of the blade and grinding wheel is shown in Fig. 2a. Blade section 1-2 is ground by rotating it round an axis, as point 2 is reached the cam mechanism arrests rotation and starts displacing the table so that the section 2-3 is ground. The feed

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S/114/61/000/003/002/002
E194/E235

A Copying-Grinding Machine for Machining Turbine Blades of Varying Profile

is maintained constant to ensure evenness of finish by appropriate profiling of the cam. The cam is displaced relative to the blade whilst on the overrun section 3-4. Blades up to 780 mm long can be ground, the maximum diameter of the grinding wheel is 400 mm and the least diameter 320 mm. The number of double strokes of the operating table per minute is 7.5-45, the grinding wheel runs at a speed of 1440 r.p.m. and the overall dimensions of the machine, length, width and height are 2670 x 2140 x 2800 mm. A defect of the machine is that the grinding wheel wears during the process of grinding and this causes some error in the blade profile. The machine developed by the LMZ is then described, it is a special machine Type ~~IC-96~~ (IS-96) of the "Stankonstruksiya" Works which was modernized and made into a semi-automatic copying machine for grinding the backs of variable profile blades. The modernization consisted in reconstructing the polishing head and developing a device for turning the blade and model, in providing an oil cooling system and other minor reconstructions. An outline drawing

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A Copying-Grinding Machine for Machining Turbine Blades of Varying Profile

of the machine is given in Fig. 3 and the construction is briefly described. It can deal with blades up to 760 mm long at a cutting speed of 25 m/sec, the table being displaced at a rate of 3250 mm/min. This machine has an abrasive belt which can make a cut up to 1 mm deep. The feed is controlled by a copying roller acting on the model. The amount of cross-feed depends on the shape of the blade and ranges from 1.5 to 4 mm. The pressure of the belt on the model is constant at 10 kg, the working part of the belt is 25 mm wide. The machine time for grinding a blade is 15-20 minutes depending upon the length and shape. A copious supply of cooling oil is provided during the grinding operation. The abrasive belts have a linen base with white electro-corundum of No. 46 grain size. The accuracy of the finished profile is within 0.1 mm over the length of the blade. This method of grinding has a number of advantages, it is very accurate, a good class 7 finish is obtained. The metal that is left on the blades after milling, 0.5-1 mm is removed in a single operation. The main difficulties with the

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E194/E235

A Copying-Grinding Machine for Machining Turbine Blades of Varying Profile

machine are inadequate stability of the grinding belts and the high consumption of oil which must be frequently replaced because of contamination with cuttings and abrasives. Cooling with emulsion type lubricants is required and water resistant belts are needed. However, the use of automatic grinding has reduced the manufacturing costs and improved turbine efficiency. A full range of grinding machines for turbine blades should be developed. There are 3 figures and 3 tables.

Card 5/8

KAPUSTIN, Ivan Il'ich; VAKHTIAROV, M.G., red.

[Automation of processes in light industry; a textbook]
Avtomatizatsiia proizvodstvennykh protsessov v legkoi
promyshlennosti; uchebnoe posobie. Moskva, Gisleprom,
1963. 44 p. (MIRA 17:9)

VAKHTIN, A. T.

Vakhtin, A. T. "On static electricity, " Sbornik trudov (Tomskiy obl. nauch.-issled. int. fiz. metodov lecheniya i kurortologii), Vol VI, 1949, p. 104-13

SO: u-5241, 17 December 1953, (Letopis 'zhurnal 'nykh Statey, No. 26, 1949).

ALEKSEYEV, Vasilii Mikhaylovich, akademik [deceased]; SHTEYN, V.M., otv.
red.; FISHMAN, O.L. [translator]; VEL'GUS, V.A., [translator];
MEN'SHIKOV, L.N. [translator]; YAKHTIN, B.B. [translator];
TSIPEROVICH, I.E. [translator]; ITS, R.F. [translator]; GUREVICH,
B.S. [translator]; UL'MAN, M.I. [translator]; MEL'NIKOVA, T.A.,
red.isd-va; KRASNAYA, A.K., tekhn.red.

[In old China; diary of a trip in 1907] V starom Kitae; dnevniki
puteshestviia 1907.g. Moskva, Izd-vo vostochnoi lit-ry, 1958.
310 p. (MIRA 12:2)

(China--Description and travel)

VAKHTIN, B. M.

"Hypsometric Equation of the Relief of Territory," by B. M. Vakhtin, Izv. Voronezhsk. gos. ped. in-ta, No 17, 1955, pp 3-17 (from Referativnyy Zhurnal -- Astronomiya, Geodeziya, No 2, Feb 57, Abstract No 1585 by D. A. Larin)

To derive the hypsometric equation, the surface of the territory is twice replaced by another by means of leveling of the horizontals; they are first transformed into a family of parallel curves, and thereafter into a family of concentric arcs forming a surface of revolution. In these transformations the lengths and heights of the horizontals and the mean distances between adjacent horizontals along the steepest slope remain unchanged. The writer assumes that the surface of revolution is obtained by the rotation of the curve $x=f(z)$, which he calls the curve of water discharge. In cases of closed or open horizontals we may determine many values of the function $x=f(z)$. It is possible thereafter to determine this curve by successive approximations. By rotation of the obtained mathematical curve around its axis we may obtain a fair representation of the surface. (U)

Sum. 1360

VAKHTIN, B.M.

Using a topographic equation to determine mineral deposits.
Terf.prom.32 no.8:17-19 '55. (MLRA 9:4)

1.Veroneshskiy pedagogicheskiy institut.
(Prospecting)

VAKHTIN, Boris Mikhaylovich; OSTIANU, N.M., redaktor; PNOMAREVA, A.A.,
tekhnicheskiiy redaktor

[N.I.Lobachevskii, the great Russian mathematician] Volikii russkii
matematik N.I.Lobachevskii. Moskva, Gos. uchebno-pedagog. izd-vo
Ministerstva prosveshcheniia RSFSR, 1956. 52 p. (MIRA 10:1)
(Lobachevskii, Nikolai Ivanovich, 1792-1856)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,
p 280 (USSR) 15-57-10-14998

AUTHOR: Vakhtin, B. M.

TITLE: The Introduction of Automatic Equipment for Automation and Mechanization in Changing Cars in the Cage and in Haulage of Cars in the Surface Buildings (Vnedreniye avtomaticheskogo oborudovaniya dlya avtomatizatsii i mekhanizatsii smeny v kletyakh i otkatki vagonetok v nadshakhtykh zdaniyakh)

PERIODICAL: V sb.: Avtomatizatsiya v ugol'n. prom-sti. Moscow, Ugletekhnizdat, 1956, pp 573-578

ABSTRACT: The All-Union Coal Institute has developed a group of pneumatic devices for mechanization and remote control for changing carts in the cages and haulage of carts in the surface buildings. This group includes grooveless rams for changing cars in the cage; measuring and cutoff stops; a drive for remote control of transfer signals,

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15-57-10-14998

The Introduction of Automatic Equipment (Cont.)

setting of the jaw clamps, tipping of the floor, lever controls on the tibble, etc.; and also automatic doors for closing off the mine shaft and automatic stops for holding the cars in the cage. The machines are regulated by a distant operator with switchboard controls. This switchboard has push buttons for electric-motor regulation of the tipping, height compensator, and mine signals. All these devices have been used successfully for several years in the mines of the Donbass. The rate of changing cars in the cage has decreased from 40 or 50 seconds to 10 or 15 seconds per car. This considerably increases the productive capacity of the hoist. The complex equipment of the All-Union Coal Institute system pays for itself in one to two years.

Card 2/2

I. S. Voytenko

VAKHTIN, B.S.; FILIPPOV, Ye.M.

Neutron-neutron profiling in determining boron original rock
outcrop. Geol. i geofiz. no.10:132-135 '64. (MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk. Submitted January 25, 1965.

ACCESSION NO. 1041111

AUTHOR: Filippov, Ye. M.

TITLE: A device for determining the future content of ores which contain boron.
Class 661.001.001

SOURCE: Byulleten' izobreteniy i tovarnykh znakov

ASSOCIATION: 1041111

SUBMITTED: 10Mar64

ENCL: 01

SUB CODE: ES, NP

Card 1-2

NO REF SCV: 000

OTHER: 000

L 58983-65

ACCESSION NO. 10 10



For use in the field, this device is a simple, portable, and reliable device for

VAKHTIN, B.S.; FILIPPOV, Ye.M.

Determination of the high content of boron in powder samples
by the neutron-neutron method. Geol. i geofiz. no.4:155-157 '65.
(MIRA 18:8)

i. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

VAKHTIN, B.S.; ZHAVORONKOV, V.Ya.; FILIPPOV, Ye.M.

Using the GMP-2 radiometer for solving certain practical problems in geology. Razved. i okh. nestr 31 no.1:45-46
Ja '65. (MIRA 18:3)

1. Sibirskoye otdeleniye AN SSSR.

VAKHTIN, V.G.

USSR/ Organic Chemistry - Synthetic organic chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11684

Author : Zavgorodniy S.V., Vakhtin V.G.

Inst : Voronezh University

Title : Alkylation of Anisole with Beta-Amylene in the Presence of Catalysts
Ethyletherate of Boron Trifluoride and Boron Fluoride Compound of
Ortho-Phosphoric Acid

Orig Pub : Tr. Voronezhsk. un-ta, 1956, 42, No 2, 37-39

Abstract : On alkylation of anisole (I) with beta-amylene (II) in presence of $\text{BF}_3 \cdot \text{H}_3\text{PO}_4$ were obtained 4-sec-amylanisole (III) as principal reaction product, 2-sec-amylanisole (IV) and diamylanisoles (V). Alkylation in the presence of BF_3 etherate results in lower yields. To 9.5g H_3PO_4 saturated with 5.2 g BF_3 , are added 27 g I, and at $\sim 20^\circ$, are added, within 1.5 hours, 35 g II. After 14-16 hours washed with water, 5% Na_2CO_3 , dried (to 170° driving off I and II), yield of

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USSR/ Organic Chemistry - Synthetic organic chemistry

E-2

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11684

alkylate 62%; contains 80% III, BP 104-106°/5 mm, n_D^{20} 1.5164,
 d_4^{20} 0.9584; 16% unpurified IV, BP 95-98°/5 mm, n_D^{20} 1.5012,
 d_4^{20} 0.9330, and ~4% V. On oxidation of III with 5% HNO_3
 there was obtained 4- $CH_3OC_6H_4COOH$, and on oxidation of IV an
 acid of MP 105-107°.

Card 2/2

5.3600

77361

SOV/79-30-1-22/78

AUTHORS: Vakhtin, V. G., Zavgorodniy, S. V.

TITLE: Alkylation of Fluorobenzene With Propylene and
Cyclohexene in the Presence of $\text{BF}_3 \cdot \text{H}_3\text{PO}_4$

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 1, pp
109-111 (USSR)

ABSTRACT: The maximum yield of 1-isopropyl-4-fluorobenzene
(yield 85%), bp 153-155°, n_D^{20} 1.4733, and 1,3-
diisopropyl-4-fluorobenzene (yield 15%), bp 76-78°,
 n_D^{20} 1.4783, is obtained at a molar ratio of fluoro-
benzene, propylene, and catalyst 3:1:0.3, alkylation
temperature 80°, and rate of introduction of propylene
into the reaction mixture, 0.17 moles per 1 mole of
fluorobenzene per hr. Alkylation of fluorobenzene
with cyclohexene yields only 1-cyclohexyl-4-fluoro-
benzene, bp 231-233°, n_D^{20} 1.5074. The maximum yield
(62%) is obtained at the ratio of fluorobenzene,

Card 1/2

Alkylation of Fluorobenzene With Propylene
and Cyclohexene in the Presence of $\text{BF}_3 \cdot \text{H}_3\text{PO}_4$

77361
SOV/79-30-1-22/78

cyclohexene, and catalyst 3:1:0.3, at 30° and rate of introduction of cyclohexene, 0.056 moles per 1 mole of fluorobenzene per hr. The obtained compounds auto-oxidized to hydrogen peroxides and were oxidized into corresponding acids with nitric acid. The maximum concentration of its hydrogen peroxide for p-isopropylfluorobenzene is obtained in 27 hr and is 23.2%, and for p-cyclohexylfluorobenzene, in 10 hr and is 12%. On further oxidation, hydrogen peroxide of p-isopropylfluorobenzene yields p-fluoroacetophenone, bp 193° , n_D^{20} 1.5020, and that of p-cyclohexylfluorobenzene

yields (57%) p-fluorobenzoic acid, and glutaric acid (yield 10%), mp $95-96^\circ$. There are 5 references, 4 Soviet, 1 U.S. The U.S. reference is: Sietler, S. M., Lawson, E. L., Smith, P. G., J. Am. Chem. Soc., 61, 161 (1939).

ASSOCIATION: Voronezh State University (Voronezhskiy gosudarstvennyy universitet)

SUBMITTED: January 15, 1959

Card 2/2

ZAVGORODNIY, S.V.; GONSOVSKAYA, T.B.; SHVETSOVA, L.S.; SIDEL'NIKOVA, V.I.;
VAKHTIN, V.G.

Use of the compound $AlCl_3$ H_2PO_4 as the catalyst in the alkylation
of aromatic hydrocarbons by olefins. Zhur. ob. khim. 31 no.3:726-
731 Mr '61. (MIRA 14:3)

1. Voronezhskiy gosudarstvennyy universitet.
(Aluminum chloride) (Alkylation)

(A) L 13360-66 EWT(m)/EMP(j)/T/ETC(m) WW/RM
ACC NR: AP6002472 SOURCE CODE: UR/0191/66/000/001/0009/0010
AUTHORS: Novozhilov, A. V.; Rotenberg, I. P.; Vakhtin, V. G. 37
ORG: none 15 15,4455 B
TITLE: Production of polyvinylchloride foam-plastic from a nonvolatile monomer
SOURCE: Plasticheskiye massy, no. 1, 1966, 9-10
TOPIC TAGS: polymer, polyvinyl chloride, resin, foam plastic, vinyl plastic, plastic industry/ PKhVl plastic
ABSTRACT: To prevent the loss of methylmethacrylate and ammonium carbonate, incurred in the conventional manufacture of polyvinyl foam-plastics, the volatility of a number of methacrylic acid esters was determined with the view of selecting less volatile substances. The volatilities (at 40C) of methyl, amyl, n-chloroethyl, isoamyl, hexyl, octyl, and β -oxyethyl were determined, and the experimental results are presented graphically (see Fig. 1). Two foam-plastics were produced, using β -oxyethyl and cyclohexyl methacrylic esters respectively. The ratio of ingredients and the experimental conditions were similar to those used in the industrial manufacture of foam-plastic PKhV-1.1.² Specific volume, strength limit, specific impact viscosity, linear shrinkage, water absorption, and alkali and chloride ion content of the two plastics were determined, and the results tabulated. It is concluded that the
Card 1/2 UDC: 678.743.22-496

L 13360-66

ACC NR: AP6002472

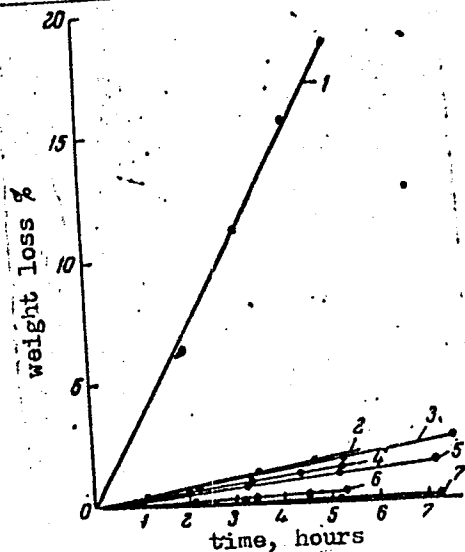


Fig. 1. Relative volatility of methacrylic acid esters. 1 - methyl; 2 - amyl; 3 - n-chloroethyl; 4 - isoamyl; 5 - hexyl; 6 - octyl; 7 - β -oxyethyl.

β -oxyethyl plastic is cheaper to manufacture than the cyclohexyl plastic, but requires closer temperature control for its production. Orig. art. has: 1 table and 1 graph.

SUB CODE: 11, 07/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 002

Card 2/2

B

-USSR/General Biology. Genetics

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57194

Author : Vakhtin Yu. B.
Inst : Institute of Biology, Academy of Sciences
Belorussian SSR.

Title : On the Problem of the Different Heterosis of
Maize Plants within the Bounds of Freely Pollinating Forms.

Orig Pub : Byul. In-ta biol. AN B SR, 1956, (1957), vyp.
2, 196-198

Abstract : A considerable leveling of many lines of a
single year of self-pollination of various kinds
of corn in regard to the height of the plants
and the height at which the cobs are attached to
the plants is noted. The conclusion is drawn
that the diverse monovariety of the lines in a

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"APPROVED FOR RELEASE: 08/31/2001

-USSR/General Biology. Genetics

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57194

Abstract : single year of self pollination is apparently
caused by the difference in the heterosis of
the plants within the bounds of freely self
pollinating varieties of maize.

B

Card 2/2

VAKHTIN, Yu.B.

Early evaluation of the specific combination value of corn lines.
Part 1: Studying hybrids S_1 X variety and S_0 X S_0 . Biol. Inst. biol.
AN BSSR no.3:208-213 '58. (MIRA 13:7)
(HYBRID CORN)

VAKHTIN, Yu.B.

Early ripening of corn lines from one and two years of self-pollination. Biol.Inst.biol.AN BSSR no.3:214-219 '58.

(MIRA 13:7)

(HYBRID CORN)

VAKHTIN, Yu.B. [Vakhtsin, IU.B.]

Variability of some quantitative characters in corn lines and hybrids of different vigor. Vestsi AN BSSR Ser.bial.nau. no.4:49-55
'58. (MIRA 12:4)

(Corn breeding)

VAKHTIN, Yu.B.

Variability of certain quantitative features in corn lines
and hybrids. Dokl. AN BSSR 2 no.10:428-430 H '58.
(MIRA 12:8)

1. Predstavleno akademikom AN BSSR N.V. Turbinym.
(Corn breeding)

VAKHTSIN, Yu.B.

Effect of the selection of early ripening forms on changes in the
combining ability of self-pollinated corn. Vestsi AH BSSR. Ser. bial.
nav. no.3:23-36 '59. (MIRA 12:12)
(Corn breeding)

ARTYUKHOVSKIY, A.K.; NEGROBOV, V.P.; Prinimali uchastiye: VAKHTINA, E.,
student; ADERIKHINA, L., student

Remithization of the caterpillars of the moth *Mamestra oleracea*
L. in the floodplain oak forests of the Khoper Preserve. Trudy
Khop.gos.zap. no.3:268-270 '59. (MIRA 16:1)

1. Voronezhskiy pedagogicheskiy institut (for Vakhtina,
Aderikhina).

(Khoper Preserve—Nematoda)
(Khoper Preserve—Oak—Diseases and pests)
(Parasites—Moths)

TURBIN, N.V.; VAKHTIN, Yu.B.

Darwinism and genetical theories of heterosis. Biol. MOIP. Otd.biol.
64 no.6:131-140 N-D '59. (MIRA 13:5)
(HETEROISIS)

VAKHTIN, Yu.B.

Earliness of ripening, vigor, and variability of corn lines.
Biul. Inst. biol. AN BSSR no.5:232-240 '60. (MIRA 14:7)
(CORN BREEDING)

VAKHTIN, Yu.B.

Earliness of ripening the S_1-S_2 lines of corn. Biul. Inst.
biol. AN BSSR no.5:241-250 1960? (MIRA 14:7)
(CORN BREEDING)

VAKHTIN, Yu. B.

Height of plants and variability of lines in corn. Biol. Inst.
biol. AN BSSR no.5:251-260 '60. (MIRA 14:7)
(CORN BREEDING)

VAKHITIN, YU. B.,

"Action of X-rays on Transformation of Normal Cells into Malignant in vitro."

report submitted for the 11th Intl. Congress of Genetics, The Hague, Netherlands,
2-10 Sep 63

VAKHTIN, Yu.B.; IGNATOVA, T.N.; SURIKOV, I.M.; TSIKARISHVILI, T.N.

Irradiation of monolayer cultures of rat fibroblasts. Report No.1:
Repeated action of ionizing radiation in small doses. Sbor. rab.
Inst. tsit. no.7:92-100 '63.

Irradiation of monolayer cultures of rat fibroblasts. Report No.2:
Singular action of ionizing radiation in large doses. Ibid.:101-108
(MIRA 17:6)

BIRYUKOV, D.A., prof., red.; IOFFE, V.I., prof., red.; NEYFANH,
S.A., prof., red.; OLENOV, Yu.M., prof., red.; SVETLOV,
P.G., prof., red.; VAKHTIN, Yu.B., red.

[Problems of medical genetics] Problemy meditsinskoj ge-
netiki. Leningrad, Meditsina, 1965. 246 p.

(MIRA 18:6)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut
eksperimental'noy meditsiny. 2. Deystvitel'nyy chlen
AMN SSSR (for Biryukov).

ALEKSANDROV, V.Ya., prof.; BRODSKIY, V.Ya.; BRONSHTEYN, A.A.;
BRUMBERG, Ye.M.; VAKHTIN, Yu.B.; VINNIKOV, Ya.A.;
GAYTSKHOKI, V.S.; GOROSHCHENKO, Yu.L.; GULYAYEV, V.A.;
ZHINKIN, L.N.; ZAVARZIN, A.A.; ZALKIND, S.Ya.; ZBARSKIY,
I.B.; KATSNEL'SON, Z.S.; KOMISSARCHIK, Ya.Yu.; LEVIN, S.V.;
MARAKHOVA, I.I.; MASHANSKIY, V.F.; MOSEVICH, T.N.; NIKOL'SKIY,
N.N.; PESHKOV, M.A.; POLENOV, A.A.; POLYANSKIY, Yu.I.;
ROZENTAL', D.L.; RUMYANTSEV, P.P.; TITOVA, L.K.; FEDIN, L.A.;
KHEYSIN, Ye.M.; CHERNOGYADSKAYA, N.A.; TROSHIN, A.S., otv.
red.; MEYSEL', M.N., red.; MIKHAYLOV, V.P., red.; MEYFAKH,
S.A., red.; PARIBOK, V.P., red.; POLYANSKIY, Yu.I., red.;
RAYKOV, I.B., red.

[Manual on cytology in two volumes] Rukovodstvo po tsitologii v
dvukh tomakh. Moskva, Nauka. Vol.1. 1965. 571 p.

(MIRA 18:2)

1. Akademiya nauk SSSR. Institut tsitologii.

VAKHTIN, Yu.B.

Johann Gregor Mendel. TSitologiya 7 no.6:701-703
N-D '65.

(MIRA 19:1)

SHVEMBERGER, I.N.; VAKHTIN, Yu.B. (Leningrad)

Histological analysis of rat rhabdomyosarcomas produced by
implantation of cells after their malignant degeneration in
vitro. Arkh. pat. 27 no.8:49-55 '65.

(MIRA 18:10)

1. Laboratoriya tsitologii zlokachestvennogo rosta (zav. - prof.
Yu.M.Olenov) Instituta tsitologii (dir. - chlen-korrespondent AN
SSSR A.S.Troshin) AN SSSR.

VAKHTIN, Yu.B.; IGNATOVA, T.N.; FRIDLYANSKAYA, I.I.; SHVEMBERGER, I.N.

Changes in tumor cell populations caused by cloning. TSitologiya
7 no.3:393-400 My-Je '65. (MIRA 18:10)

1. Laboratoriya genetiki opukholevykh kletok Instituta tsitologii
AN SSSR, Leningrad.

VAKHTIN, Yu.B.; IGNATOVA, T.N.; FRIDLYANSKAYA, I.I.; SHVEMBERGER, I.N.

Intensity of selection and the frequency of sharp karyotypic variations
in the populations of somatic cells during clonal multiplication.

TSitologiya 7 no.2:258-259 Mr-Apr '65.

(MIRA 18:7)

1. Laboratoriya tsitologii zlokachestvennogo rosta Instituta
tsitologii AN SSSR, Leningrad.

TARAKANOV, O.G.; VAKHTINA, I.A.; ORLOV, V.A.

Kinetics of gas evolution in the reaction of toluenediisocyanate
with water. Plast. massy no.12:45-46 '64.

(MIRA 18:3)

VAKHIN, V.I.

Chromosome numbers of some species of onion occurring in the
U.S.S.R. Bot.zhur. 49 no.6:870-875 Ja '64.

1. Botanicheskiy Institut imeni V.I. Komarova "U.S.S.R. Bot.zhur."
(MIRA 32.10)

VAKHTINA, L.I.

Comparative karyological study of some onion species of the section
Rhizicidium Don. Bot. zhur. 50 no.3:387-394 Mr '65. (MIRA 18:5)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

VAKHTINA, L.P.

Course of pregnancy and childbirth following a cesarean section.
Vop.okh.mat.i det. 8 no.3:86 Mr '63. (MIRA 16:5)

1. Iz kafedry akusherstva i ginekologii Smolenskogo meditsinskogo
instituta.

(CESAREAN SECTION)

VAKHTINA, L.P.

Immediate results of the cesarean section for the mother and the fetus.
Trudy SMI 16:193-200 '63. (MIRA 18:1)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent K.K.Komeshko)
Smolenskogo gosudarstvennogo meditsinskogo instituta. Nauchnyy rukovoditel' - prof. A.V.Lankovits.

ANDREYEV, V.N.; VAKHTINA, T.V.

Effect of climate near the ground on the phenology of plants in
subarctic regions. Priroda 48 no.6:96-97 Je '59.

(MIRA 12:5)

1.Nauchno-issledovatel'skiy institut sel'skego khozyaystva Kraynego
Severa, Norilsk.

(Arctic regions--Botany)

ALEKSANDROVA, V.D.; ANDREYEV, V.N.; VAKHTINA, T.V.; DYDINA, R.A.; KAREV, G.I.
PETROVSKIY, V.V.; SHAMURIN, V.F.

[Forage characteristics of the plants of the Far North] Kormovaia
kharakteristika Krainego Severa. Moskva, Nauka, 1964. 483 p.
(Rastitel'nost' Krainego Severa SSSR i ee primeneniye, no.5).
(MIRA 18:1)

VAKHTINA, T.V.

Dynamics of productivity and the use of the leaves of some food shrubs of the tundra in reindeer raising. Probl. Ser. no. 21296-296 '64. (SIBS 17:11)

1. Nauchno-issledovatel'skiy institut tsel'skogo khozyaystva Kraynego Severa, Noril'sk.

37663
S/124/62/000/005/048/048
D251/D308

15-2610
AUTHOR:

Vakhtman, I.V.

TITLE:

The creep of crystalline non-metals

PERIODICAL:

Referativnyy zhurnal. Mekhanika, no. 5, 1962, 68-69,
abstract 5V517 (V sb. Polzuchest' i vozvrat, M. Metal-
lurgizdat, 1961, 393 - 410)

TEXT: A study is made of material available on the creep of crys-
talline ceramic oxides: monocystals - sapphire (aluminum oxide),
periclase (magnesium oxide) and rutile (titanium oxide) and also
their spoly-crystalline systems. Works are adduced on determining
the structure of the monocystals and on the question of transla-
tional slipping in the crystals of these oxides under different de-
formations (compression and bending). It is shown that for creep to
begin in sapphire monocystals at 10000, a definite value of the
reduced tangential stress (the reduced stress of flow with creep)
is required. A typical curve is given for the creep of a sapphire
monocrystal with constant load at 10000. The curve has three parts:
First part - period with slowly growing velocity of creep; second
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D251/D308

The creep of crystalline non-metals

part - period with decreasing velocity of creep; third part - period with constant velocity of creep. At higher temperatures the curve changes form: the first period may disappear, but as compensation there is the possibility of a final period with growing velocity of creep and the formation of strictures in the sample. A study is made of the possible mechanism of the effect of a chrome oxide admixture on the flow stress with creep of sapphire. In the study of the creep of polycrystalline samples with torsion, the twist is determined as a function of the load on the surface of the specimen and time. An empirical formula is deduced for the velocity of creep with torsion for a sample of magnesia. A note is made of the preliminary results of investigating creep in a polycrystalline specimen of aluminum oxide with expansion. In the work on the study of the creep of ceramic materials with bending, the deflection with time is measured on thin rectangular bars with constant bending moment. The creep of polycrystalline aluminum oxide with bending after the first 10 hours is written in the equation $\varepsilon - \varepsilon_0 = A t^n$, where ε is the ordinary deformation, ε_0 is the instantaneous deformation, t is the time and A and n are constants characteristic of

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The creep of crystalline non-metals

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the given material. Throughout 10 hours the load decreased while an instantaneous removal (reverse) occurred of the deformation, equal to the instantaneous deformation under load. Hence a reverse of the creep deformation occurred. A curve is also given of the creep of polycrystalline magnesium oxide under bending and the possible mechanism of creep and the reverse of creep of aluminum oxide and magnesium oxide. It is remarked that the data obtained on the creep of ceramic oxides are the principal forms in the qualitative characteristics. 24 references. [Abstractor's note: Complete translation].

✓

Card 3/3

SHEMERYANKIN, B.V.; DOBROVOL'SKIY, I.P.; KOSTYUNIN, I.K.; KOPELIOVICH, I.V.;
DUBOVIK, A.N.; Prinimali uchastiye: KOSTENKO, A.R.; VAKHTOMOV, S.P.;
CHERVOV, A.P.

Ways of reducing the porosity of pitch coke. Koks i khim.
no.2:25-29 '62. (MIRA 15:3)

1. Chelyabinskiy metallurgicheskiy zavod (for Shemeryankin,
Dobrovolskiy, Kostyunin, Kopeliovich, Kostenko, Vakhtomov,
Chervov). 2. Koksokhimstantsiya (for Dubovik).
(Coke)

80960
S/147/60/000/02/004/020
E191/E481

10.6000(A)

AUTHOR: Vakhtov, M.B.

TITLE:

Analysis of the Free Vibrations of a Rotating
Helicopter Blade with the Help of Matrices

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya
tekhnika, 1960, Nr 2, pp 31-41 (USSR)

ABSTRACT:

The matrix equation of the static bending of a blade is used under dynamic conditions. The blade system is represented by one with a finite number of degrees of freedom. The blade becomes a beam carrying concentrated masses at equidistant sections. Flapping vibrations of hinged and rigidly clamped blades are considered. The determination of the frequencies and modes of free vibrations of the rotating blade corresponds to the evaluation of the Eigenvalues and Eigenvectors of the dynamic matrix. The mathematics are based on the textbooks of R. Frazer and others and computations can be carried out on an electronic computer. Reference is made to the author's previous paper in the same publication, 1959, Nr 4, where the matrix equation of static bending was derived. In the present analysis,

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Analysis of the Free Vibrations of a Rotating Helicopter Blade
with the Help of Matrices

the deflections of the discrete masses are functions of time. The transverse loads in the sections are solely the inertia forces. Developing this equation, a computation scheme is derived first for the non-rotating blade with one rigidly clamped end. Comparison is made in this case with the exact solution of the differential equation for the first two vibration modes. Satisfactory agreement is obtained when the blade is represented by ten masses. Any cantilever beam can be examined by the same method which yields computational economies compared with Frazer's method. Turning to the non-rotating blade with a flapping hinge, a method is given which involves the computation of an auxiliary matrix. Although the method gives satisfactory accuracy, it is pointed out that the same author's earlier paper (same publication, 1959, Nr 2) has already given a more convenient matrix method to handle this case. The rotating blade is treated, showing the zero mode (straight line) for the hinged blade and the subsequent first and second modes. ✓

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Analysis of the Free Vibrations of a Rotating Helicopter Blade
with the Help of Matrices

Comparison is made between a rotating and a non-rotating hinged blade for a typical helicopter blade design. The frequency ratios (based on the frequency of rotation) of the first three modes are 1, 2.56 and 4.60. In the well known approximation by which the square of the rotating blade frequency is greater than the square of the non-rotating blade frequency by a factor multiplied with the square of the rotational frequency, the factor is directly expressed by a matrix equation (16) based on an approximation. It is shown, however, that better approximations have been derived before. Parametric vibrations of the blade are analysed, namely vibrations when the rotational velocity varies periodically. These have been examined earlier by Riz et al (Ref 8) who reduced the problem to the solution of a Mathieu equation. It is shown that the blade can be considered as an equivalent system with a single degree of freedom. Dangerous parametric vibrations (parametric resonance) take place when the frequency of

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Analysis of the Free Vibrations of a Rotating Helicopter Blade
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pulsations of the angular velocity is an integral
multiple of twice the frequency of the free vibrations
of a blade rotating at uniform angular velocity.
There are 4 figures, 2 tables and 12 Soviet references.

ASSOCIATION: Kazanskiy aviatsionnyy institut
(Kazan Aviation Institute)

SUBMITTED: December 4, 1959

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✓

VAKHTOVA, M.G. (Tatarskaya ASSR)

Mariia Platonovna Romanova. Med.sestra 17 no.8:48 Ag '58 (MIRA 11:8)
(ROMANOVA, MARIIA PLATONOVNA)

1. VAKHTUROV, A. N.
2. USSR (600)
4. Inland Water Transportation
7. Increasing the work quality of the river fleet, Rech. transp., 13, no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

YAKHTUROV P.M.
FILYASOV, K.A., otvetstvennyy za vypusk; YAKHTUROV, A.N., red.; SOLOV'YEV, I.F., red.; SADOVSKIY, G.L., red.; SUTYRIN, M.A., red.; KHIZHIN, A.V., red. [deceased]; CHEGODAYEV, N.N., red. [deceased]; GORCHAKOV, G.N., tekhn.red.

[Regulations for inland navigation in the U.S.S.R.] Pravila plavaniia po vnutrennim vodnym putiam SSSR. Vvedeny f deistvie prikazom NKRF no.212 ot 28 iulia 1945 g. Dop. i izmeneniia vvedeny v deistvie prikazom MRF no. 314 ot 14 oktiabria 1947 g. Izd. 8-oe, stereotip. Moskva, Izd-vo "Rechnoi transport," 1958. 197 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Ministerstvo rechnogo flota.
(Inland navigation--~~Laws~~ and regulation)

VAKHTUROV, A., inzh.; MAKSIMOVYKH, M., inzh.

Improve the organization of the movement of goods. Rech. transp.
24 no.5:16-18 '65. (MIRA 18:9)

KRUTIKOV, K.T., inzh.; GARINOV, K.A., kand. tekhn. nauk; ITTENBERG, I.A.,
kand. tekhn. nauk; prinyimayuchi uchastie: VAKHTUROV, A.N., starshiy
nauchnyy sotrudnik; VOLKOV, M.V., starshiy nauchnyy sotrudnik;
KURTSMAN, L.B., starshiy nauchnyy sotrudnik; BOGATYREVA, M.I.,
mladshiy nauchnyy sotrudnik; ZABOLOTNEVA, G.K., mladshiy nauch-
nyy sotrudnik; NOVIKOVA, V.V., mladshiy nauchnyy sotrudnik;
ALEKSEYEVA, T.I., mladshiy nauchnyy sotrudnik; PETROVA, I.A.,
mladshiy nauchnyy sotrudnik; SEDEL'NIKOVA, A.F., mladshiy
nauchnyy sotrudnik; KATKOVA, T.I., inzh.; ZELENKOV, P.A., inzh.;
SIDOROVA, L.N., starshiy laborant; KALASHNIKOVA, V.M., starshiy
laborant; VOYEVODINA, A.Ye., starshiy tekhnik; USPENSKAYA, M.B.,
starshiy tekhnik; YEPIFANOV, V.K., starshiy tekhnik

[Organization of the shipping of transit cargoes on the Volga-
Baltic Sea Waterway.] Organizatsiya perevozok tranzitnykh gruzov
po Volgo-Baltiiskomu vodnomu puti. Moskva, Transport, 1965.
109 p. (Moscow. Tsentral'nyi nauchno-issledovatel'skii institut
ekonomiki i ekspluatatsii vodnogo transporta. Trudy, no.40).

MAKSIMOV, A.I.; VAKHURIN, N.Ye.

Automatic control of the stamping of die holders. Kuz. shtam. proizv.
(MIRA 14:5)
3 no. 5:13-17 My '61.
(Dies (Metalworking)) (Automatic control)

VAKHURIN, N.Ye.

Cold upsetting and punching of gas welding equipment parts.
Kuz.-shtam. proizv. 3 no.8:21-25 Ag '61. (MIRA 14:8)
(Sheet metal work)

VAKHURIN, N. Ye.

Stamping cutting tools without fine. Stan. 1 instr. 35 no. 62
33-34 78 164 (MIRA 1788)

VAKHURIN, N.Ye.

Precise stamping of parts without burrs. Mashinostroitel' no.10:24-26
0 '65. (MIRA 18:10)

BURDZGIN, N.E.; VAKHURKIN, K.A., retsenzent; VAYNSHTEYN, N.Ya., retsenzent;
ANANICH, S.A., kand. tekhn. nauk, nauchnyy red.; SHERSHUKOVA, M.A.,
red. izd-va; RUDAKOVA, N.I., tekhn. red.

[Static design of hydraulic engineering tunnels] Staticheskii ras-
chet gidrotekhnicheskikh tunnelei. Moskva, Gos.izd-vo lit-ry po
stroit., arkhitekt. i stroit. materialam, 1961. 194 p. (MIRA 14:6)
(Hydraulic structures) (Tunnels)

VAKHURKIN, V.M., inzhener.

Design for a new line of economic rolled steel I-beams.
Stroi.prom.33 no.11:29-33 N '55. (MIRA 9:2)
(Girders) (Steel, Structural)

SOV/137-57-11-21292

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 95 (USSR)

AUTHOR: Vakhurkin, V.M.

TITLE: Optimum Shapes and Sizes of Rolled I-Beams (Optimal'nyye formy i razmery prokatnykh dvutavrovyykh balok)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat, 1956, pp 102-115

ABSTRACT: Replacement of the present assortment of rolled shapes by improved ones will result not only in savings of steel but in reducing the labor involved in fabrication and will reduce the weight of structure, mechanisms, and machines. The present assortment of I-beams (IB) is too narrow. An expansion of the assortment became possible after modern rail-and-structural mills went into operation. The most desirable IB shape is one providing the maximum moment of resistance for a given cross-sectional area. The moment of resistance, W , for a given area, F , depends upon the distribution of the material between the web and the flanges, and upon the height of the web. An equation is derived for determination of W in accordance with these quantities. The theoretically optimum IB shape might be one

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SOV/137-57-11-21292

Optimum Shapes and Sizes of Rolled I-Beams

with equal distribution of the material between the web and the flanges. An equation is derived for the maximum moment of resistance, $W_{\max}$, for such a distribution of the material. $W_{\max}$ increases with an increase in the ratio of the web height to its thickness, which in practice may attain 70. The concepts underlying the new IB assortment, the dimensions of the new IB, and comparison thereof with the IB of the present assortment as to W and F are adduced.

P.G:

Card 2/2

VAKHURKIN, V.M.

ZHUDIN, Nikolay Dmitriyevich; ~~VAKHURKIN, V.M.~~ inzhener, retsenzent;
ZELYATROV, V.N., inzhener, nauchnyy redaktor; KOTIK, B.A., redaktor
izdatel'stva; PERSON, M.N., tekhnicheskiy redaktor.

[Steel structures] Stal'nye konstruktsii. Moskva, Gos.izd-vo lit-ry
po stroit.i arkhitekt., 1957. 334 p. (MIRA 10:11)
(Building, Iron and steel)

VAKHURKIN, V.M. (Moskva)

Selecting the shape of prestressed steel beams. Stroimekh. i
rasch.soor. 1 no.2:35-39 '59. (MIRA 12:4)
(Girders)

VAKHURKIN, V.M.; GLADSHTEYN, L.I.; KARMILOV, S.S.; KLIMOV, S.A.;
LEVITANSKIY, I.V.; MALININ, B.N.; NOSOV, A.K.; PAL'M,
Yu.A.; POLYAK, V.S.; POPOV, G.D.; RASSUDOV, V.M.;
KRASYUKOV, V.P.; SOKOLOV, A.G.; Primalni uchastiye:
GORBATSKIY, Ye.I.; MATVEYEV, S.S.; STRELETSKIY, N.S.,
prof., retsenzent; MUKHANOV, K.K., dots., retsenzent;
BOLOTINA, A.V., red.; MIKHEYEVA, A.A., tekhn. red.

[Light-weight supporting metal structures] Oblegchennye
nesushchie metallicheskie konstruktsii. Moskva, Gos-
stroizdat, 1963. 282 p. (MIRA 17:2)

VAKHURKIN, V.M., doktor tekhn. nauk

Beams made of two kinds of steel (bi-steel beams). Mat.
po met. konstr. no.9:79-97 '65. (MIRA 18:11)

VAKHURKINA, A. M.

USSR/Medicine - Medical Societies
Medicine - Pathologic Anatomy

Nov/Dec 48

"Minutes of the Meeting of the Moscow Society of Pathologists and Anatomists on
28 November 1947," A. I. Strukov, A. M. Vakhurkina, 2 pp

"Arkhir Patol" Vol X, No 6

Over 100 members of the society took part in the meeting. To reports were submitted
and discussed: V. K. Beletskiy's "Histopathology of Visceral and Parietal Pleura in
Posttraumatic Pyopneumothorax," and F. D. Abrikosova's "A Method of Histological
Study Used by a Clinical Laboratory."

61/49Th3

30949. VAKHURKINA, A. M.

Patologicheskaya anatomiya infarkta m iodarda. Doklad na navch. scssii
In-ta im. sklifosovskogo. Dek. 1946 g.] V sb: Voprosy ostroy vnutrenney kliniki.
M. 1949, s. 67-71

VAKHURKINA, A. M.

31042. VAKHURKINA, A. M. AND BERINSKAYA A. N.

Opukholi polostey serdtsa. V sb: Voprosy ostroy vnutrenney kliniki.
M., 1949, s. 105-21

30973. VAKHURKINA, A. M.

K voprosy o patogistologii bolezni Shenleyn-Genokha. V sb: Boposy ostroy
vnutrenney kliniki. M., 1949, s. 156-65

VAKHURHINA, A.M.; VINCORADOVA, T.P.

Bones - Tumors

Nature of so-called giant-cell tumors of the bone (osteoblastoclastomas). Khirurgiia
No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, December ¹⁹⁵² ~~1953~~, Uncl.

VAKHURKINA, A.M.

Pathoanatomical characteristics of acute intestinal obstruction.

Ark. pat. 17 no.4:51-56 O-D '55.

(MLRA 9:2)

(INTESTINAL OBSTRUCTION, pathology,
histopathol.)

VAKHURKINA A. M.
EXCERPTA MEDICA Sec 5 Vol 12/2 Gen. Path. Feb 59

518. MALIGNANT OSTEOLASTOCYSTOMA DEVELOPING ON THE BASIS
OF A FIBROUS OSTEODYSPLASIA (Russian text) - Vakhurkina A. M. -
ARKH. PATOL. 1958, 20/4 (18-24) Illus. 7

A man aged 57 years who in his youth had had an affection of the left upper leg which is not described in further detail, fell ill at the age of 30, with pain in the left lower leg. The pains regressed without special therapy, but recurred after some time. After a local trauma at that site in 1952 a swelling and a proliferation developed, which in 1954 was radiologically diagnosed as fibrous osteodysplasia, but the suspicion of a malignant tumour was also raised. Soon afterwards metastases developed in the lymph nodes, vertebrae and lungs and the patient died. Autopsy and histological examination confirmed the diagnosis of malignant tumour (polymorphous osteolastocystoma). The adjective 'fibrous' to osteodysplasia is inappropriate, since the proliferated tissue is not of connective tissue origin but osteogenic.

Brandt - Berlin (V, 16)

BRUMBERG, A.S., prof.; VAKHURKINA, A.M.; VINOGRADOVA, T.P., prof.;
LAVRISHCHEVA, G.I., kand. med. nauk; PERMYAKOV, N.K., doktor
med. nauk; SMOL'YANNIKOV, A.V., prof.; STRUKOV, A.I., prof.;
otv. red.; DVIZHKOV, P.P., prof., zarestitel' otv. red.;
APATENKO, A.K., kand. med. nauk; SENCHILO, K.K., tekhn. red.

[Multivolume manual on pathological anatomy] Mnogotomnoe rukovodstvo po patologicheskoi anatomii. Otv. red. A.I.Strukov. Moskva, Medgiz. Vol.6. [Pathological anatomy of diseases of the osteoarticular system, muscles, and tendons] Patologicheskaya anatomiya boleznei kostno-sustavnoi sistemy, myshts i sukhozhilii. Red. toma T.P.Vinogradova. 1962. 518 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Strukov).

(BONES--DISEASES) (JOINTS--DISEASES) (MUSCLES--DISEASES)

VAKHURKINA, A.M. (Moskva)

So-called light cells of the liver. Arkh. pat. 26 no.4:18-24 '64.
(MIRA 18:7)

1. Patologoanatomicheskoye otdeleniye (zav. - doktor med nauk. N.K. Permyakov) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni Sklifosovskogo (dir. M.M.Tarasov).